

**A RESOLUTION
BY TRANSPORTATION COMMITTEE**

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A REIMBURSABLE AGREEMENT WITH THE ATLANTA AIRLINES TERMINAL CORPORATION FOR THE CONCOURSE B ELECTRICAL EQUIPMENT RENOVATION, AT A COST TO THE CITY NOT TO EXCEED \$8,995,443, TO BE CHARGED TO AND PAID FROM PTAE0 18102503 (CONCOURSE B COSMETIC UPGRADE (AMT)) 101 (R21E012893CP) 550921372 (DOA 2004 F G I REV 93CP) 5414002 (FACILITIES OTHER THAN BLDGS/INFRASTRUCTURE-CIP) AND FDOA 5509 (2004 AIRPORT REVENUE BOND FUND F-K) 180201 (DOA AVIATION CAPITAL PLANNING & DEVELOPMENT) 5414002 (FACILITIES OTHER THAN BLDGS/INFRASTRUCTURE-CIP) 7563000 (AIRPORT) 102503 (CONCOURSE B COSMETIC UPGRADE (AMT)) 21372 (DOA 2004 F G I REV 93CP) 0000 (DEFAULT) 00000000 (DEFAULT) 00000000 (DEFAULT).

WHEREAS, the City of Atlanta ("City"), as owner and operator of Hartsfield-Jackson Atlanta International Airport ("the Airport"), has entered into certain Lease Agreements dated March 22, 1978, with various airlines ("Contracting Airlines") serving the Airport, which cover the planning, design, development, construction, maintenance and operation of the Central Passenger Terminal Complex ("CPTC") at the Airport; and

WHEREAS, the Contracting Airlines formed Atlanta Airlines Terminal Corporation ("AATC") to manage and operate the jointly leased and common use areas of the CPTC, including mechanical plants, on behalf of the Airlines and the City; and

WHEREAS, the electrical infrastructure for the main Terminal facilities and Concourses A, B, C, D and T was installed during the original Airport construction in the late 1970's and is currently obsolete and in need of replacement, necessitating the complete replacement of the main switchgear, all bus-duct, switchboards and a stand-by generator in Concourse B (collectively, the "Project"); and

WHEREAS, the City has determined that it is appropriate for AATC to assume responsibility for the Project and for the City to reimburse AATC for its costs in an amount not to exceed \$8,995,443.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY OF ATLANTA, GEORGIA, that the Mayor is authorized to execute a Reimbursable Agreement with AATC for the Project for a total reimbursement cost in an amount not to exceed \$8,995,443.

BE IT FURTHER RESOLVED, that all contracted work will be charged to and paid from PTAE0 18102503 [(Concourse B Cosmetic Upgrade (AMT)) 101 (R21E012893CP) 550921372 (DOA 2004 F G I REV 93CP) 5414002 (Facilities Other Than BLDGS/Infrastructure-CIP) and FDOA: 5509 (2004 Airport Revenue Bond Fund

F-K) 180201 (DOA Aviation Capital Planning & Development) 5414002 (Facilities Other Than BLDGS/Infrastructure-CIP) 7563000 (Airport) 102503 (Concourse B Cosmetic Upgrade (AMT)) 21372 (DOA 2004 F G I REV 93CP) 0000 (DEFAULT) 00000000 (DEFAULT) 00000000 (DEFAULT).

BE IT FURTHER RESOLVED, that the City Attorney is directed to prepare the Reimbursable Agreement.

BE IT FINALLY RESOLVED, that the Reimbursable Agreement will not become binding on the City and the City will incur no liability under it until it has been executed by the Mayor, attested to by the Municipal Clerk, approved by the City Attorney as to form and delivered to AATC.

Part II: Legislative White Paper: (This portion of the Legislative Request Form will be shared with City Council members and staff)

A. To be completed by Legislative Counsel:

Committee of Purview:

Caption:

Council Meeting Date:

Requesting Dept.:

FAC Confirmed by:

B. To be completed by the department:

1. Please provide a summary of the purpose of this legislation (Justification Statement).

The electrical infrastructure in Concourse B includes the main switchgear, bus-duct, stand-by diesel generator and switchboards which were installed in 1979. The electrical equipment has reached the end of its reliable service life. The original electrical equipment parts for the electrical gear are no longer manufactured and extremely difficult to procure. The electrical equipment must be replaced to avoid increasing unscheduled breakdowns that will increase maintenance costs in Concourse B.

2. Please provide background information regarding this legislation.

The electrical infrastructure for the main Terminal and Concourses A, B, C, D and T was installed during the original mid-field construction project in the late 1970's. In January 2008, a comprehensive electrical infrastructure study was completed on the Central Passenger Terminal Complex (CPTC). The study concluded that the electrical infrastructure in all the Concourses and Terminals has exceeded its useful life and should be replaced. The study also identified concourse-B as the concourse with highest priority for equipment replacement based on study analysis.

3. If Applicable/Known:

(a) Contract Type (e.g. Professional Services, Construction Agreement, etc):

Reimbursable Agreement

(b) Source Selection: N/A

(c) Bids/Proposals Due: N/A

(d) Invitations Issued: N/A

(e) Number of Bids: N/A

(f) Proposals Received: N/A

(g) Bidders/Proponents: N/A

(h) Term of Contract: N/A

4. Fund Account Center (*Ex. Name and number*):

PTAEO: 18102503 (CONCOURSE B COSMETIC UPGRADE (AMT)) 101 (R21E012893CP) 550921372 (DOA 2004 F G I REV 93CP) 5414002 (FACILITIES OTHER THAN BLDGS/INFRASTRUCTURE - CIP) and FDOA: 5509 (2004 AIRPORT REVENUE BOND FUND F-K) 180201 (DOA AVIATION CAPITAL PLANNING & DEVELOPMENT) 5414002 (FACILITIES OTHER THAN LDGS/INFRASTRUCTURE - CIP) 7563000 (AIRPORT) 102503 (CONCOURSE B COSMETIC UPGRADE (AMT)) 21372 (DOA 2004 F G I REV 93CP) 0000 (DEFAULT) 00000000 (DEFAULT) 00000000 (DEFAULT).

Fund: _____ Account: _____ Center: _____

5. Source of Funds: Airport Revenue Bond Fund

6. Fiscal Impact:

Example: This legislation will result in a reduction in the amount of _____ to Fund Account Center Number _____.

7. Method of Cost Recovery: CPTC Lease Agreement

This Legislative Request Form Was Prepared By: Ralph R. Johnson

Atlanta's Hartsfield-Jackson Airport

Electric Power Load Analysis

Concourse B

Executive Summary

This portion of the project is a load appraisal at the various electrical power distribution points. Recordings were made at each switchgear and switchboard as requested throughout the CPTC during normal operations.

The load survey showed that all of the electrical equipment was operated within its ratings with the exception of Switchgear BAB. The original design intent is no longer met at this location. Potential problems were identified by simply adding maximum loads together as if the bus tie breaker was closed and all loads were served from a single source. While the maximum loads were not coincident, there is no guarantee that they would never occur simultaneously. Operating all of BAB on either Main A or Main B could load that main circuit breaker to 112 percent of its rating. This is an overload that would exceed the maximum trip setting resulting in a total loss of power to loads served.

Any circuits loaded to 60% of capacity and higher are noted in the table below:

| <i>Switchgear/ Switchboard</i> | <i>Bus Monitored</i> | <i>Maximum Amperes</i> | <i>Percent Loaded</i> | <i>Rating Amperes</i> |
|------------------------------------|-------------------------|----------------------------|---------------------------|---------------------------|
| BAB | Aircraft Power Bus A | 749.10 | 67% | 1120 |
| BAB | MAIN A | 1851.87 | 64% | 3000 |
| MSGBDE | MCC-CA1 | 744.04 | 63% | 1200 |

Further Study

The items identified for further study in this area of the facility are:

- Switchgear BAB feeder CPP1(EAL UPS) is set at 1600 amps, but the panel that it is feeding is only rated to carry 600 Amps.
- During data information gathering for the short circuit coordination study we found switchboards equipped with fused disconnects in various locations being fused with mixed current, class ratings and types. We also found locations which has neutral conductors on the ground bus and ground connections on the neutral bus. These notations are documented in the short circuit coordination data base in the comment field of the respective category.

TRANSMITTAL FORM FOR LEGISLATION

TO: MAYOR'S OFFICE

ATTN: GREG PRIDGEON

Dept.'s Legislative Liaison: Anita Williams

Contact Number: 404-530-6600

Originating Department: Aviation

Committee(s) of Purview: Transportation

Chief of Staff Deadline: 8/18/09

Anticipated Committee Meeting Date(s): 9/02/09

Anticipated Full Council Date: 9/08/09

Commissioner Signature: Maud Lion

Chief Procurement Officer Signature: Adam Johnson

CAPTION

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A REIMBURSABLE AGREEMENT WITH THE ATLANTA AIRLINES TERMINAL CORPORATION FOR THE CONCOURSE B ELECTRICAL EQUIPMENT RENOVATION, AT A COST TO THE CITY NOT TO EXCEED \$8,995,443, TO BE CHARGED TO AND PAID FROM PTAE0 18102503 (CONCOURSE B COSMETIC UPGRADE (AMT)) 101 (R21E012893CP) 550921372 (DOA 2004 F G I REV 93CP) 5414002 (FACILITIES OTHER THAN BLDGS/INFRASTRUCTURE-CIP) AND FDOA 5509 (2004 AIRPORT REVENUE BOND FUND F-K) 180201 (DOA AVIATION CAPITAL PLANNING & DEVELOPMENT) 5414002 (FACILITIES OTHER THAN BLDGS/INFRASTRUCTURE-CIP) 7563000 (AIRPORT) 102503 (CONCOURSE B COSMETIC UPGRADE (AMT)) 21372 (DOA 2004 F G I REV 93CP) 0000 (DEFAULT) 00000000 (DEFAULT) 00000000 (DEFAULT).

FINANCIAL IMPACT (if any) \$8,995,443

Mayor's Staff Only

Received by CPO: _____ Received by LC from CPO: _____
(date) (date)

Received by Mayor's Office: 8/6/09 Reviewed by: _____
(date) (date)

Submitted to Council: 8/12/09
(date)